IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Visco et al

Attorney Docket No.: PLUSP027

Application No.: 10/686,189

Examiner: Not yet assigned

Filed: October 14, 2003

Group: 1745

Title: IONICALLY CONDUCTIVE COMPOSITES FOR PROTECTION OF ACTIVE METAL ANODES

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on February 19, 2004 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Signed: _____

Tara Hayden

INFORMATION DISCLOSURE STATEMENT 37 CFR §§1.56 AND 1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure

statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. PLUSP027).

Respectfully submitted,
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Form 1449 (Modified) **Information Disclosure Statement By Applicant** (Use Several Sheets if Necessary)	Atty Docket No. PLUSP027 Applicant: Visco, et al. Filing Date October 14, 2003	Application No.: 10/686,189 Group 1745

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A1	5,648,187	07/15/97	Skotheim			
	A2	5,314,765	05/24/94	Bates			
	A3	4,981,672	01/01/91	De Neufville et al.			
	A4	6,025,094	02/2000	Visco, et al.			
	A5	5,342,710	08/30/94	Koksbang			
	A6	5,409,786	04/25/95	Bailey			
	A7	5,100,523	03/31/92	Helms et al.			
	A8	5,696,201	12/09/97	Cavalloni, et al.			
	A9	4,162,202	07/24/79	Dey			
	A10	5,455,126	10/03/95	Bates et al.			
	A11	5,338,625	08/16/94	Bates et al.			
	A12	5,597,660	01/28/97	Bates et al.			
	A13	5,612,152	03/18/97	Bates			
	A14	5,569,520	10/29/96	Bates			
	A15	5,512,147	04/30/96	Bates et al.			
	A16	5,567,210	10/22/96	Bates et al.			
	A17	5,455,126	10/03/95	Bates et al.			
	A18	6,475,677 B1	11/05/02	Inda et al.			
	A19	6,485,622 B1	11/26/02	Fu			
	A20	6,315,881 B1	11/13/01	Fu			
	A21	6,030,909	02/29/00	Fu			
	A22	5,702,995	12/30/97	Fu			
	A23	4,985,317	01/15/91	Adachi et al.			
	A24	6,402,795 B1	06/11/02	Chu et al.			
	A25	6,214,061 B1	04/10/01	Visco et al.			
	A26	6,413,284 B1	07/02/02	Chu et al.			
	A27	5,686,201	11/11/97	Chu			
	A28	6,376,123	04/23/02	Chu			
	A29	6,413,285 B1	07/02/02	Chu et al.			
	A30	6,183,901 B1	02/06/01	Ying et al.			
	A31	6,432,584 B1	08/13/02	Visco et al.			
	A32	5,961,672	10/05/99	Skotheim et al.			
	A33	5,387,479	02/07/95	Koksbang			
	A34	5,336,384	08/09/94	Tsou et al.			

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation Yes	Translation No
	B1	0875951A1	11/04/98	EP				
	B2	0689260B1	04/21/99	EP				
	B3	0111214B1	11/23/83	EP				
	B4	0111213A2	11/23/83	EP				

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	C1	Nippon Telegr & Teleph Corp., "Patent Abstracts of Japan," vol. 008, no. 119 (E-248), June 5, 1984 & JP 59 031573 A, 20 February 1984.
	C2	"R&D Thin Film Technology", 09-97, R&D Magazine
	C3	Steven D. Jones, et al., "Thin film rechargeable Li batteries", 1994, Solid State Ionics
	C4	J.B. Bates, et al., "Thin-film rechargeable lithium batteries," 1995, Journal of Power Sources
	C5	N. J. Dudney, et al., "Sputtering of lithium compounds for preparation of electrolyte thin films," 1992, Solid State Ionics
	C6	J. B. Bates, et al., "Electrical properties of amorphous lithium electrolye thin films," 1992, Solid State Ionics
	C7	Xiaohua Yu, et al, "A Stable Thin-Film Lithium Electrolyte: Lithium Phosphorus Oxynitride," 02-97, J. Electrochem. Soc., Vol 144, No. 2
	C8	Fu, Jie, "Fast Li+ Ion Conduction in Li2O-AI2O3-TiO2-SiO2-P2O5 Glass-Ceramics", Journal of the American Ceramics Society, Vol. 80, No. 7, July 1997, pp. 1-5.
	C9	Aono et al., "Ionic Conductivity of the Lithium Titanium Phosphate ($Li_{1+X}M_XTi_{2-X}(PO_4)_3$, M = AI, Sc, Y, and La) Systems", Dept. of Industrial Chemistry, pp. 590-591.
	C10	Aono, Hiromichi, "High Li+ Conducting Ceramics", Acc. Chem. Res. Vol. 27, No. 9, 1994, pp. 265-270.
	C11	Aono, et al., "Ionic Conductivity and Sinterability of Lithium Titanium Phosphate System", Solid State Ionics, 40/41 (1990), pp. 38-42.
	C12	Aono, et al., "Electrical properties and crystal structure of solid electrolyte based on lithium hafnium phosphate $LiHf_2(PO_4)_3$", Solid State Ionics 62 (1993), pp. 309-316.
	C13	Aono, et al., "Electrical property and sinterability of $LiTi_2(PO_4)_3$ mixed with lithium salt (Li_3PO_4 or Li_3BO_3)", Solid State Ionics 47 (1991) pp. 257-264.

Examiner	Date Considered

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Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	C14	Aono, et al., "Ionic Conductivity of β=$Fe_2(SO_4)_3$ Type $Li_3Cr_2(PO_4)_3$ Based Electrolyte", Chemistry Letters, 1993, pp. 2033-2036.
	C15	Aono, et al., "Ionic Conductivity of $LiTi_2(PO_4)_3$ Mixed with Lithium Salts", Chemistry Letters, 1990, pp. 331-334.
	C16	Fu, Jie, "Superionic conductivity of glass-ceramics in the system Li_2O-Al_2O_3-TiO_3-P_2O_5", Solid State Ionics, 96 (1997), pp.195-200.
	C17	Fu, Jie, "Fast Li+ ion conducting glass-ceramics in the system Li_2O-Al_2O_3-GeO_2-P_2O_5" Solid State Ionics 104 (1997), pp. 191-194.
	C18	Aono, et al., "DC Conductivity of $Li_{1.3}Al_{0.3}Ti_{1.7}(PO_4)_3$" Ceramic with Li Electrodes", Chemistry Letters, 1991, pp. 1567-1570.
	C19	Aono, et al., "Electrical Properties of Sintered Lithium Titanium Phosphate Ceramics $(Li_{1+X}M_XTi_{2-X}PO_4)_3$,$M^{3+}$=$Al^{3+}$,$Sc^{3+}$, or Y^{3+})", Chemistry Letters, 1990, pp. 1825-1828.
	C20	Button, et al., "Structural disorder and enhanced ion transport in amorphous conductors", Solid State Ionics, Vols. 9-10, Part 1, December 1983, pp. 585-592 (abstract)

Examiner	Date Considered

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